Len Washington III

EDUCATION

Illinois Institute of Technology, Chicago, IL, 60616 — Expected Graduation Date: May 2026
M.A.S, Artificial Intelligence
B.S, Artificial Intelligence (minor: **Energy/Environment/Economics**)

Relevant Courses Data Mining, Advanced AI, Machine Learning, AI Language Understanding, Deep Learning, Software Engineering, Data Preparation and Analysis
Dean's List Fall 2023, Spring 2024, Fall 2024, Fall 2025

WORK EXPERIENCE

Senior Research Aide — November 2024 – Present
Argonne National Laboratory

- Designing and implementing user account functionality to transition from universal guest access.
- Added support for Ollama LLMs for EXSCLAIM so it can run with local LLMs.
- Rewrote the website's codebase from React to Dash (Python) to downscale the resources needed to run the UI.
- Added PDF-scanning support to the EXSCLAIM pipeline's capabilities.

SULI Intern — May 2024 – August 2024
Argonne National Laboratory

- Refactored the original EXSCLAIM and UI codebase to work with more recent versions of Python.
- Implemented a new API to allows users around the world to interface with our module.
- Developed Docker images for all parts of the module to improve accessibility to users who want to run the module locally.
- Wrote an AIP-styled manuscript detailing the changes and results from my work.

Youth District Advisory Council Member — June 2023 – August 2023
Chicago Police Department

- Led discussions on ways to better connect with the community to improve police relations.
- Contributed to the community by helping improve the neighborhoods that we live and operate in by managing toy drives for youth and community clean ups.
- Developed and revitalized CPD's Police Athletics and Arts League (P.A.A.L) to better spark interest with younger members of the community.

PROJECTS

IBM Remote Telescope Commission — September 2023 – May 2024
Interprofessional Project (IPRO 497) — Illinois Institute of Technology

- Translated legacy imaging software from Swift to Java.
- Implemented a REST API using Java and Jakarta allowing users to connect to the service using HTTP.
- Constructed a gyroscope using an Arduino Uno to limit the telescope's range of movements to prevent it from crashing.

WCS Banking (Mock Banking Website) — September 2022 – December 2022
Database Organization (CS 425) — Illinois Institute of Technology

- Developed a banking application with a full PostgreSQL backend.
- Allowed users to create accounts and deposit, withdrawal or transfer funds between accounts, including a custom 2-Factor Authentication to secure user login.
- Learned how to generate webpages with PHP and maintain a LAMP server.

CERTIFICATIONS

Cognitive Cloud Open Development from IBM Watson Cloud Academy — August 6, 2024
BAI003x: Reinforcement Learning from edX — December 23, 2025

LEADERSHIP EXPERIENCE

Illinois Tech Esports – Rocket League Team Captain → Game Lead — September 2022 – August 2024

- Coordinated collegiate matches between our team with other colleges.
- Implemented weekly training regiments for our team which resulted in an increase in matches from 0–5 to 3–3.
- Coordinated review sessions to review past games to improve future coordination.

PROFESSIONAL ORGANIZATIONS

- National Society of Black Engineers (NSBE)
- Triangle STEM Fraternity

LINKS

- @len-washington-iii
- @lwashington3
- 0009-0004-0165-6316
- l.washingtoniii.27@gmail.com
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SKILLS

Languages

- Python
- Java
- R
- C#
- PHP
- Javascript
- C/C++

Technologies

- HTML/CSS
- LaTeX
- Git
- Docker
- Markdown/RMarkdown
- Apache
- Nginx
- ArcGIS

Frameworks

- PyTorch
- Playwright
- Pandas
- Numpy
- Matplotlib
- Tensorflow
- Scikit-Learn
- React

Database Management

- PostgreSQL
- MySQL

INTERESTS

- Artificial Intelligence
- Data Science/Analytics
- Sustainable Energy
- Stock Trading
- Information Technology
- Networking